REMARKS

Reconsideration of the above-indicated patent application, as amended, is respectfully requested. The present amendment is responsive to the Office Action mailed March 22, 2005. Claims 1-24 were previously rejected, claims 25-44 are currently rejected, claims 1-3 and 45-50 are withdrawn, and claims 51-56 are new. No new matter has been added.

In response to the examiners request for elections, claims 1-3 and 45-50 are withdrawn without traverse under Section 121 and claims 25-44 are elected to continue prosecution. Applicant reserves the right to file a divisional application at a later date to further prosecute the withdrawn claims.

THE REJECTIONS UNDER 35 U.S.C § 103

Claims 25-44 had been rejected under Section 103(a) as being unpatentable over U.S. Patent No. 5,793,980 to Glaser et al. (hereinafter Glaser). This rejection is respectfully traversed, particularly as applied to the amended and new claims.

An aspect of the present invention improves performance by allowing for the key table (*e.g.*, S-box table) values to begin to be calculated and updated as portions of the key are available without having to wait for the entire key to be loaded before beginning the table update. Additionally, the present invention improves performance by allowing a second key for the next encryption (or decryption) operation to be loaded into memory before the previous encryption (or decryption) operation has completed. This allows for faster encryption (or decryption) of the second data frame as soon as the first data frame is finished.

An aspect o ft he present invention improves performance by allowing the table (*e.g.*, S-box table) to being scrambled or allowing a data frame to being encrypted or decrypted at the same time keys are loaded into memory for the next encrypt (or decrypt) operation. This improves performance by allowing keys for the second encryption (or decryption) operation to be loaded while the first operation is performing other decryption tasks. For example, keys can be loaded into the memory while a prior set of keys are read from memory to initialize a table, such as an S-box table. By contrast, the cited prior only teaches a streaming data system wherein a block of data can start to be read by a device while the rest of the block is still being written to the same device where data is currently being read. The prior art does not teach that the table (or

S-box table) can begin to be scrambled while keys are still being loaded or read out of a memory. The prior art also does not teach that a second set of key values may be loaded into memory while the first set of keys are being used to prepare a table or decode (or encrypt) the first block of data.

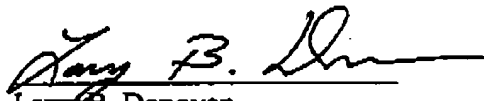
Thus, for the reasons cited prior art does not teach suggest or show the claims as now presented. Applicant respectfully requests withdrawal of this rejection.

In view of the foregoing it is respectfully submitted that the present claims, as currently amended, distinguish over the prior art. A notice to that effect is earnestly solicited. If the Examiner believes there are any further matters, which need to be discussed in order to expedite the prosecution of the present application, the Examiner is invited to contact the undersigned.

Respectfully submitted,

TUCKER ELLIS & WEST LLP

Date: 6-20-2005



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